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Result
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Maximum DB seq length: 2000000000
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   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                    188
111.5
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1: pir1:*
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3: pir3:*
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245
1 SQRQFQECQQHCHQQEQRPE......
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16.705 Million cell updates/sec
 Match 100%
first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                  protein
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RESULT 2 FWCNAB alpha-globulin B precursor (clone C72) - upland cotton N;Alternate names: seed storage protein; vicilin precursor C;Species: Gossypium hirsutum (upland cotton) C;Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change C;Accession: A30838; S06911 R;Chlan, C.A.; Pyle, J.B.; Legocki, A.B.; Dure III, L. Plant Mol. Biol. 7, 475-489, 1986 A;Title: Developmental blochemistry of cottonseed embryogenesis A;Reference number: A30838 A;Accession: Borroto, K.; Kamalay, J.A.; Dure III, L. Plant Mol. Biol. 9, 533-546, 1987 A;Title: Developmental biochemistry of cottonseed embryogenesis A;Reference number: S06398 A;Accession: S06911 A;Status: not compared with conceptual translation A;Molecule type: DNA A;Residues: 1-81 <ch2> C;Comment: This is a seed storage protein.</ch2>	Query Match Best Local Similarity 100.0%; Score 245; DB 2; Length Matches 42; Conservative 0; Mismatches 0; Indel: Qy 1 SQRQFQECQQHCHQQEQRPEKKQQCVRECREKYQENPWRGER 42	ALIGNMENTS RESULT 1 \$08059 Alpha-globulin type B precursor (tandem 1) - upland cotton (N.Alternate names: seed storage protein C:Species: Gossypium hirsutum (upland cotton) C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_cha C;Accession: \$08059 R;Chlan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L. Plant Mol. Biol. 9, 533-546, 1987 A:Title: Developmental biochemistry of cottonseed embryogene A:Reference number: \$06398 A:Accession: \$08059 A:Molecule type: DNA A:Residues: 1-509 < CHL> C:Superfamily: glycinin	30 63.5 25.9 110 2 S20350 31 63.5 25.9 145 2 PC1247 32 63.5 25.9 145 2 PC1247 33 63.5 25.9 145 2 S65481 34 63.5 25.9 145 2 S65482 35 63.5 25.9 145 2 S65489 36 63.5 25.9 145 2 S66479 37 63.5 25.9 155 2 PS0426 38 63.5 25.9 178 2 PS0426 40 63.5 25.9 178 2 S07828 41 63.5 25.9 178 2 S07828 41 63.5 25.9 178 2 S07828 42 63.5 25.9 178 2 S07828 43 63.5 25.9 178 2 S07828 44 63.5 25.9 178 2 S10018 45 63.5 25.9 178 2 S25130 46 63.5 25.9 180 2 S52025 47 63.5 25.9 180 2 S52025
wange 16-Jul-1999 sesis and germination XVIII pesis and germination XVIII sesis and germination. XIX.	h 509; 1s 0; Gaps 0;	(fragment) ange 30-Sep-1993 esis and germination. XIX.	napin nIa - rape Sin a I allergen 2 Sin a I allergen 1 allergen Sin a I (allergen Sin a

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N;Alternate names: seed storage protein
C;Species: Gossypium hirsutum (upland cotton)
C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 30-s
C;Accession: S06398
R;Chlan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L.
Plant Mol. Biol. 9, 533-546, 1987
A;Title: Developmental biochemistry of cottonseed embryogenesis and A;Reference number: S06398
A;Reference number: S06398
A;Accession: S06398
A;Status: not compared with conceptual translation
A;Molecule type: DNA
A;Residues: 1-605 <CHL>
C;Superfamily: glycinin
F;1-24/Domain: signal sequence #status predicted <SIG>
F;25-605/Product: alpha-globulin type A #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                     C:Species: Theobroma cacao (cacao)
C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change
C:Accession: S22477; S22478; S18105; S22050
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C:Keywords: glycoprotein; seed; storage protein
F:1-25/Domain: signal sequence #status predicted <SIG>
F:26-588/Product: alpha-globulin storage proprotein #status predicted <MAT>
F:417/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                      C; Superfamily: glycinin
C; Keywords: seed; storage protein
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Plant Mol. Biol. 18, 1173-1176, 1992
A;Title: Comparison of the structure and large ference number: $22477; MUID:92288309
A;Accession: $22477
                                                                                                                                             A; Introns: 211/1; 269/3; 296/3; 391/3; 502/1
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                                                                                                                                                                                                   A; Molecule type: mRNA
A; Residues: 1-452 <MC2>
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A; Residues: 1-566 <MCH>
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25-566/Product: vicilin #status predicted <MAT:</pre>
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seed storage protein
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Pred. No. 2.2e-13;
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Pred. No. 4.2e-18;
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hypothetical protein AC3.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999
hypothetical protein AC3.4 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999 C;Accession: T18593
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A; Introns: 18/3
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A; Residues: 1-425 <WIL>
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                                                                                                                                                                                                                                                                                                                                                C; Superfamily: gliadin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Cross-references: EMBL: Z71177;
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A; Residues: 1-3828 <MAZ>
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C; Accession: T13857
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Pred. No.
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                                                                                                                                                                                                                                                                                   Length 425;
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A:Experimental source: seed R:Menendez-Arias, L.; Moneo, I.; Dominguez, J.; Rodriguez, Eur. J. Biochem. 177, 159-166, 1988
A:Title: Primary structure of the major allergen of yellow A:Reference number: S01791; MUID:89030681
A:Accession: S01792
                                                                                                                                                                                                            R:Gonzalez de la Pena, M.A.: Monsalve, R.I.; Batanero, Eur. J. Biochem. 237, 827-832, 1996
A:Title: Expression in Escherichia coli of Sin a 1, the A:Reference number: S65447; MUID:96235251
A:Accession: S65447
A; Molecule type:
A; Residues: 40-12
C; Superfamily: wh
                                                                                                                                                                                                                                                                                                        N;Alternate names: allergen Sin a I large chain C;SpecLes: Sinapis alba (white mustard) C;Date: 28-Oct.1996 #sequence_revision 13-Mar-1997 #text_change 17-Mar-1999 C;Accession: S65447; S01792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               napin - Swedish turnip (fragments)
C:Species: Brassica napus var rapifera (Swedish turnip, rutabac
C:Date: 31-May-1991 #sequence_revision 31-May-1991 #text_change
                                                                                                                                                                        A; Molecule type: protein A; Residues: 1-127 <GON>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Molecule type: protein \
A; Residues: 1-124 <SVE>
C; Superfamily: wheat alpha-amylase inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A:Reference number: A37931; MUID:91282906 A;Accession: A37931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R;Svendsen, I.; Nicolova, D.; Goshev, I.; Genov, N. Carlsberg Res. Commun. 54, 231-239, 1989
A;Title: Isolation and characterization of a trypsin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C; Accession: A37931
R; Syendsen, I.; Nic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Experimental source: clone C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: DNA
A; Residues: 1-600 <WIL>
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                                                                                                                                                                                                                                                                                                                                                                                  allergen Sin a I - white mustard
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11 RKEFQQAQHLRACQQWLHKQAMQSGGGPSPQGPQQRPPLLQQC---CNELHQEEP 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24
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ce number: Z18995
                type: protein
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18; Conserv
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alpha-amylase
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32.7%;
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Pred. No. 0.38;
7; Mismatches
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Pred. No.
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  inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -EQRPEKKQQCVRECREKYQENP 37
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                                                                                                                                                                                                                                                                                      E.; Villalba, M.; Rodriguez,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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A:Map position: 2
A:Introns: 68/2; 123/2; 214/3; 275/3; 326/1; 362/3; 423/1; 466/1; 615/1; A:Introns: 68/2; 123/2; 214/3; 275/3; 326/1; 362/3; 423/1; 466/1; 615/1; C:Superfamily: LDL receptor ligand-binding repeat homology <LDL1> F:140-178/Domain: LDL receptor ligand-binding repeat homology <LDL1>
                                                                                               A;Cross-references: EMBL:Z93395; PIDN:CAB07705.1; GSPDB:GN00020; CESP:ZC101.1 A;Experimental source: clone ZC101 C;Genetics: A;Gene: CESP:ZC101.1
                                                                                                                                                                                 A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNAA;Residues: 1-905 <WIZ>
                                                                                                                                                                                                                                                                                                                                                                                                                                           submitted to the EMBL Data Library, November 1996 A;Reference number: Z19711 A;Accession: T23229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hypothetical protein ZC101.1 · Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Aug-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Gene: Beg1
A;Map position: 4
C;Superfamily: glycinin
C;Keywords: glycoprotein
F;174-190/Product: globulin Beg1 #status predicted
                                                                                                                                                                                                                                                A; Reference number: A; Accession: T27491
                                                                                                                                                                                                                                                                      submitted to the EMBL Data Library, A; Reference number: Z20375
                                                                                                                                                                                                                                                                                                                                                                              A; Molecule type: DNA
A; Residues: 1-905 <WIL>
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                                                                                                                                                                                                                                                                                                                R; Percy, C
                                                                                                                                                                                                                                                                                                                                                                                                                       A; Status: preliminary; translated from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C; Accession: T23229; T27491 R; Percy, C.
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C;Genetics:
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                                                                                                                                                                                                                                                                                                                                         A; Experimental source: clone
                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: EMBL:Z83112; PIDN:CAB05541.1; GSPDB:GN00020; CESP:ZC101.1
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A; Residues: 1-637 <HEC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Title: Barley embryo globulin 1
A; Reference number: S35221; MUID:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 RKEFQQAQHLRACQQWLHKQAMQSGSGPSPQGPQQRPPLLQQC---CNELHQEEP
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32.7%;
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MUID:93287988
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Pred. No.
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Pred. No. 0.39;
                                                                                                                                                                                                                                                                                          March 1997
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hypothetical protein L23H3.30 - Arabidopsis thaliana C:Species: Arabidopsis thaliana (mouse-ear cress) C:Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 22-Oct-1999 C:Accession: T08588 R;Bevan, M.; Pohl, T.; Weizenegger, T.; Bancroft, I.; Mewes, H.W.; Mayer, K.F.X. submitted to the Protein Sequence Database, May 1999 A;Reference number: Z16098 A;Accession: T08588 A;Accession: T08588 A;Accession: T08588 A;Accession: Experimental source: Calculativate Columbia; BAC clone L23H3.30 A;Experimental source: Cultivar Columbia; BAC clone L23H3 C;Genetics: A;Gene ATSP:L23H3.30 A;Map position: 4 A;Introns: 11/2; 51/1; 87/3; 249/3; 278/2; 304/3; 330/1; 346/3; 449/3; 523/3; 60
                                                                                                                                                                                                                                                                                                                                                                                      c. Species: Brassica n
C. Date: 12-Feb-1993 #
C. Accession: S26636
R. Monsalve, R. I. Lop
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F:329-364/Domain:
F:431-465/Domain:
F:513-550/Domain:
F:579-614/Domain:
F:767-801/Domain:
                                                                                                                                                                                                            A; Molecule type: protein
A; Residues: 1-106 < MON>
C; Superfamily: wheat alpha-amylase inhibitor
C; Keywords: pyroglutamic acid; seed; storage protein
C; Keywords: pyroglutamic acid; seed; storage protein
C; Keywords: papin small chain #status experimental < SMA>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT
S26636
    дb
                                    Q
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A;Title: A new distinct group of 2 S albumins from rapeseed. Amino acid sequence A;Reference number: S20350; MUID:92111741

A;Accession: S26636
                                                                                                                                                                          F;32-106/Product: napin large chain *status experimental <LAR> F;32/Modified site: pyrrolidone carboxylic acid (Gln) (in matu
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Best Local Similarity
Watches 13; Conserv
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Best Local S
Matches 18
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Best Local
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                                                                            Local Similarity
les 18; Conserv
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    9
                                        2 QRQFQE-----CQQHCHQQ-----
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QREFQQEQHLRACQQWIRQQLAGSPFQSGPQQGPWLREQC--
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                                                                              Conservative
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35.3%;
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Pred. No. 2.6;
11; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 68;
Pred. No. 4
                                                                                             Score 66.5;
Pred. No. 1;
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                                                                              Mismatches
                                      EQRPEKKQQCVRECREKYQEN 36
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2.6;
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repeat homology <LDL3>
repeat homology <LDL4>
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                                                                                                                                                                            (Gln) (in mature form) #status experimen
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                                                                                                                 Length 106;
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                                                                            Indels
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    53
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March

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A:Experimental source: seed
C;Superfamily: wheat alpha-amylase inhibitor
C;Keywords: storage protein
F;1-28/Domain: signal sequence and propeptide (fragment) #status
F;29-63/Product: napin small chain #status predicted <NIC>
F;83-168/Product: napin large chain #status predicted <NIC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C:Species: Raphanus sativus (radish)
C:Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 16-Jul-1999
C:Accession: PS0425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A.Cross-references: GB:M63842; GB:M36629; NID:g169695; PIDN:AAA63471.1; PID:g169696
A:Experimental source: seed
C:Superfamily: wheat alpha-amylase inhibitor
F:I-6/Domain: signal sequence and propeptide (fragment) #status predicted <PRO>
F:7-41/Product: napin small chain #status predicted <NSC>
F:61-146/Product: napin large chain #status predicted <NLC>
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                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: mRNA
A; Residues: 1-174 < RAY>
                                                                                                                                                                                                                                                                                                                                                                                                                             A; Title: Characterization and evolution of A; Reference number: PS0425; MUID: 91216448 A; Accession: PS0425
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             napin AH1 precursor - radish (fragment)
c;Species: Raphanus sativus (radish)
C;Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 16-Jul-1999
C;Accession: PS0427
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PS0427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Molecule type: mRNA
A; Residues: 1-152 <RAY>
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                                                                                                                                                       Best Loc
Matches
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Best Local
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  97
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                                                                            39 RREFQQAQHLRACQQWLHRQARQSGSGPSWTLDDEFDFEDDMENPQGPQQRPPLLQQC---
                                                                                                                                                       Local Similarity
nes 19; Conserv
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les 19; Conserv
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                                                                                                                 2 QRQFQE-----CQQHCHQQ---
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                                      ECREKYQENP 37
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-CNELHQEEP
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Pred. No. 1.6;
6; Mismatches
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Pred. No. 1.4;
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                                                                                                                                                                                         Length 174;
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Job time: 570 sec

